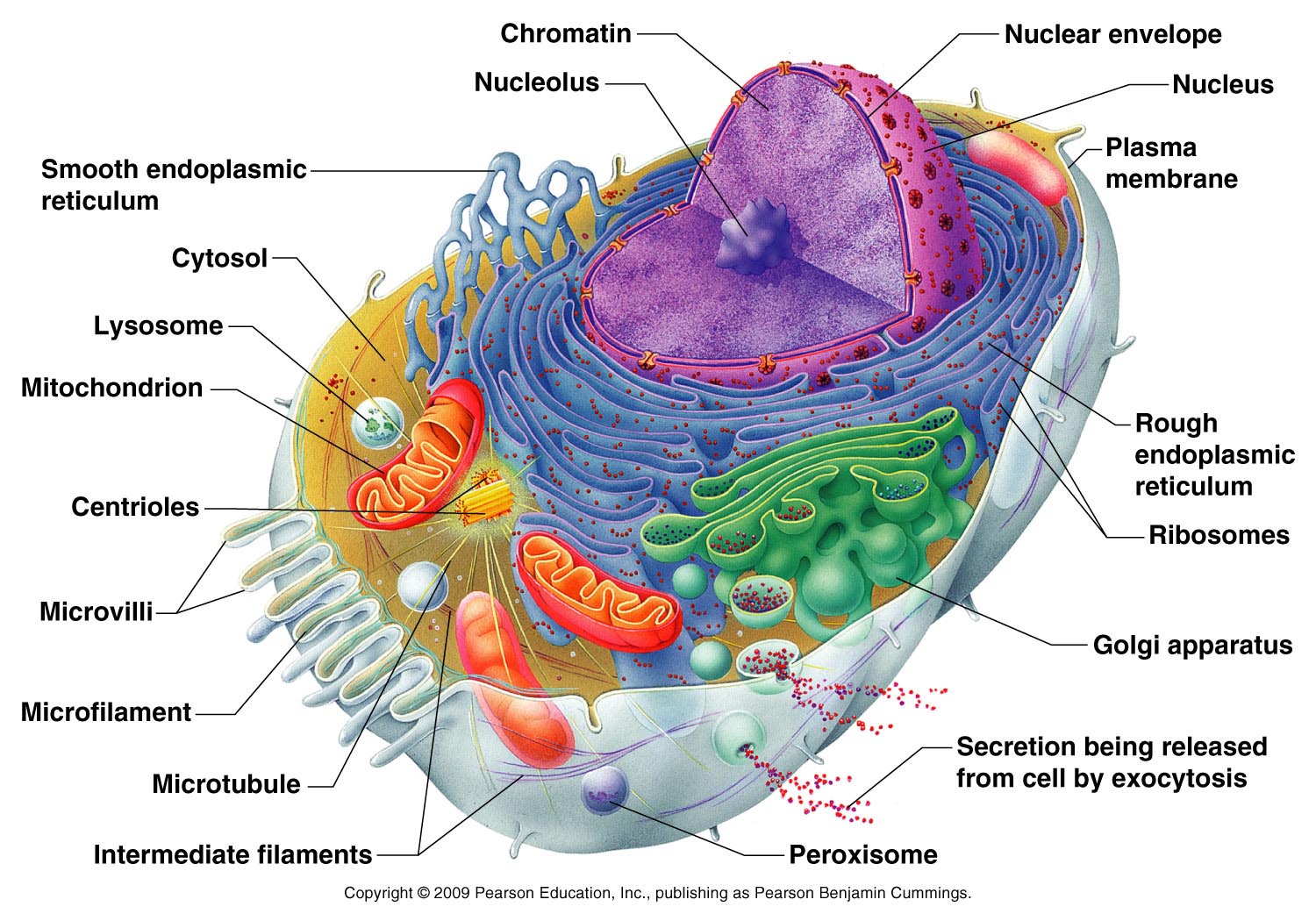
**Cell Review Guide**

1. What is the function of:

a. endoplasmic reticulum  
b. mitochondria  
c. ribosomes  
d. nucleolus  
e. microfilaments & microtubules  
f. lysosomes  
g. golgi apparatus  
h. ribosome



2. The basic unit of structure and function in the human body is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Describe each of these:

a. phagocytosis  
b. pinocytosis  
c. facilitated diffusion  
d. exocytosis

4. What is the difference between active transport and passive transport? Give a specific example of each type.

5. Describe the process of making and exporting a protein from a cell.  
  
6. Describe the cell membrane and its properties. What is its function?

7. What is diffusion? What is osmosis?

8. List and describe the stages in the life cycle of a cell.

9. List in order the phases of mitosis and tell the main events that occur in each phase.

10. What is the centriole and the spindle and what is their role in cellular reproduction?

11. What is the difference between chromosomes, chromatin, and chromatids?

12. What is DNA and what do the letters stand for?

14. Tell everything you know about cellular respiration (where does it take place, what does it produce, why is it important, etc.)

15. What is the difference between hypertonic, hypotonic, & isotonic? What will happen to cells placed in each type of solution?